

Fig. 2

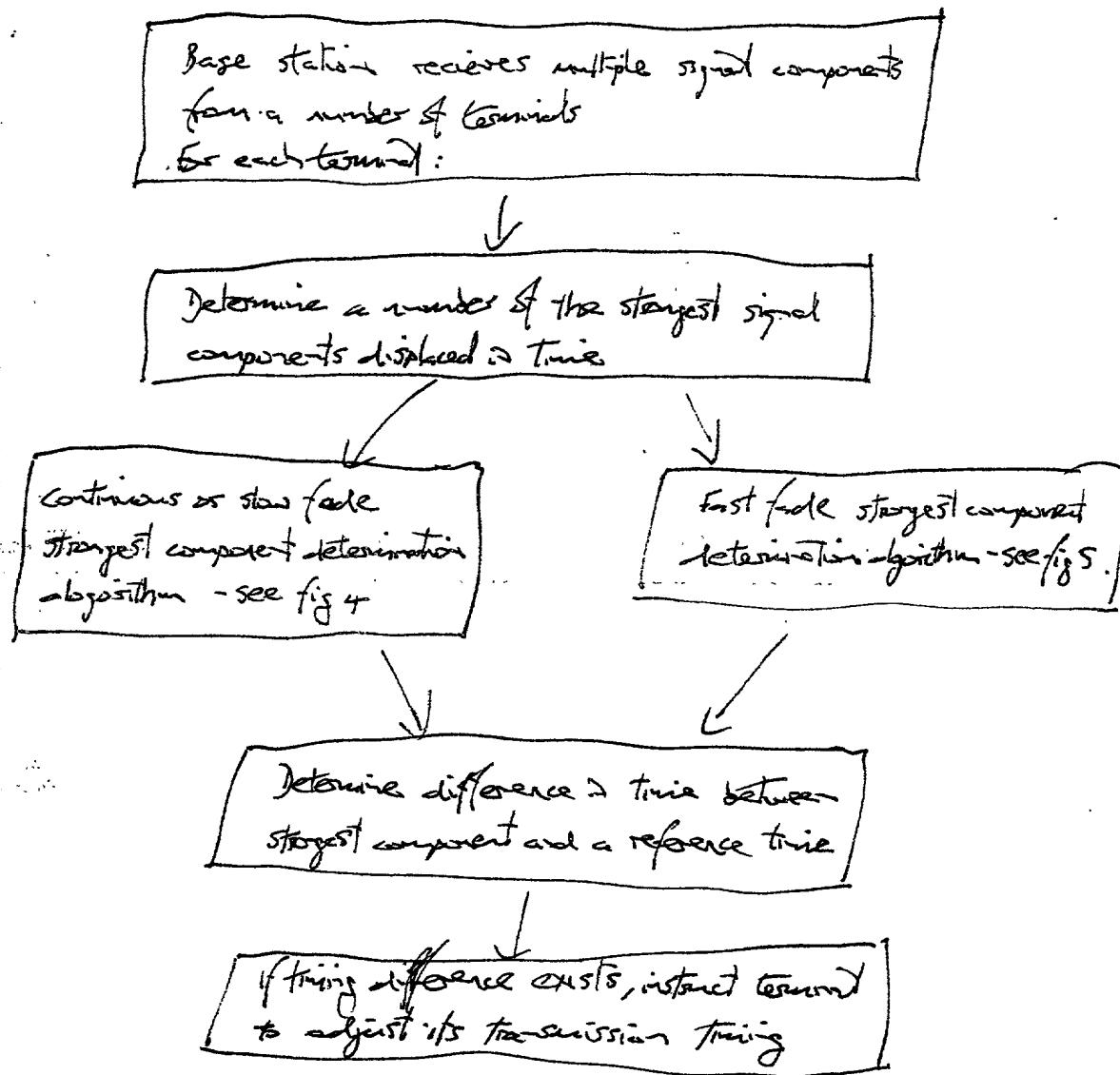


Fig 3

Fig 4.

average signal strength of each of the strongest signal components over a predetermined interval



determine whether ~~any~~ of the average signal strengths ~~exceed~~ the ~~average~~ of the correctly synchronised signal component is exceeded by ~~any~~ of the other components

If so, does the highest average signal strength exceed that of the correctly synchronised component by a preset threshold

If so, if is the offset is true that these components are more than a pre-determined threshold.

If so, assign the highest ave. signal strength component as the ~~new~~ strongest component.

Fig. 5.

Determine average signal strength of the strongest signal components over a shorted predetermined period



Determine whether the average of the current strongest component is below the combined average of the other components by a predetermined constant



If so, assign the highest average signal component as the strongest component.

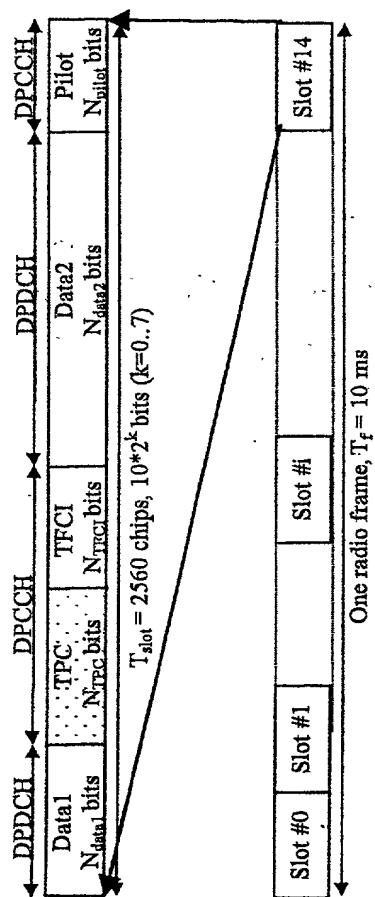


Figure
6a

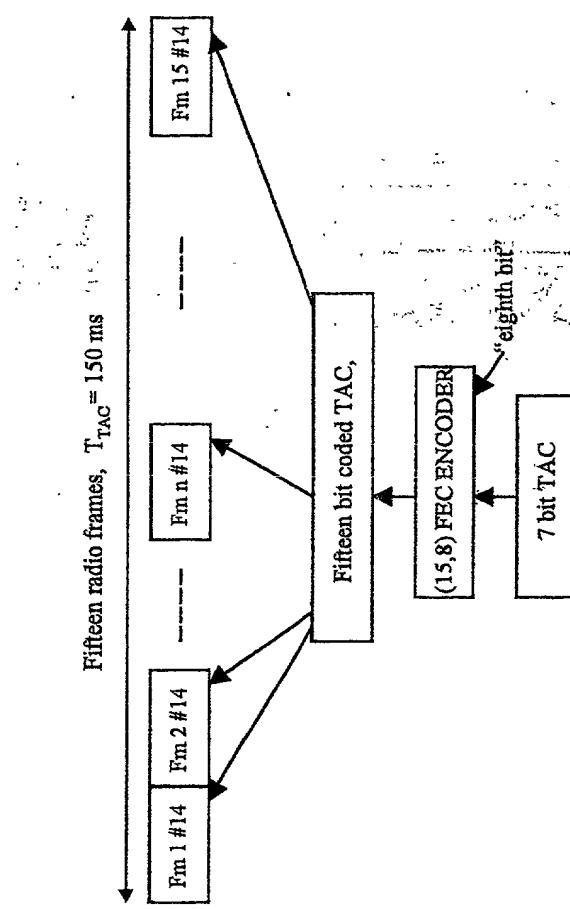


Figure
6b

7 bit TAC	function
0000000	do nothing
0000001	<p>if this is the only weighted bit set -</p> <p>advance time by table entry 0 (default 1/8 chip , tracking mode)</p> <p>if this is set in combination with other weighted bits -</p> <p>advance time by table entry 1 (default 1/4 microsecond)</p> <p>advance time by table entry 2 (default 1/2 microsecond)</p>
0000010	<p>advance time by table entry 3 (default 1 microsecond)</p> <p>0000100</p> <p>advance time by table entry 4 (default 2 microseconds)</p>
0001000	<p>advance time by table entry 5 (default 4 microseconds)</p> <p>0100000</p> <p>advance time by table entry 6 (default 8 microseconds)</p>
1000000	do nothing
1000001	<p>if this is the only weighted bit set -</p> <p>retard time by table entry 0 (default 1/8 chip , tracking mode)</p> <p>if this is set in combination with other weighted bits -</p> <p>retard time by table entry 1 (default 1/4 microsecond)</p> <p>retard time by table entry 2 (default 1/2 microsecond)</p>
1000010	<p>retard time by table entry 3 (default 1 microsecond)</p> <p>1000100</p> <p>retard time by table entry 4 (default 2 microseconds)</p>
1001000	<p>retard time by table entry 5 (default 4 microseconds)</p> <p>1010000</p> <p>retard time by table entry 6 (default 8 microseconds)</p>
1100000	

Figure
6c

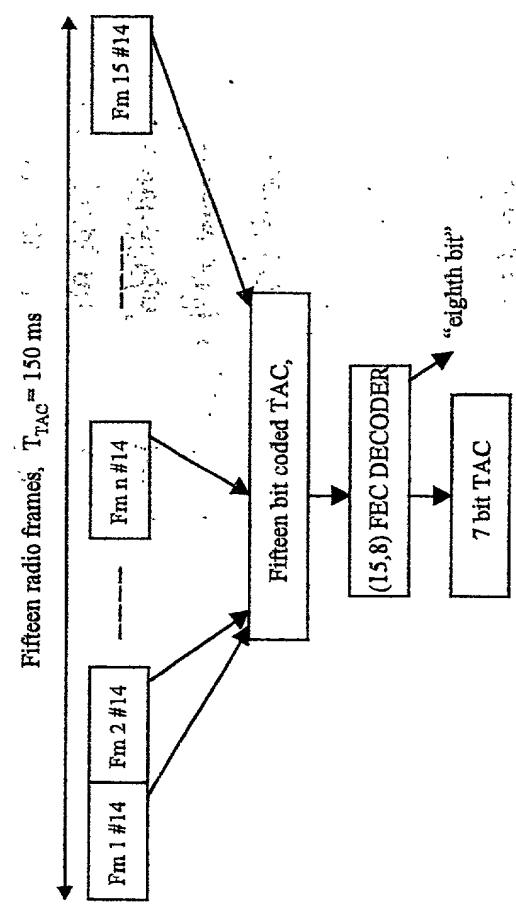


Figure 6d

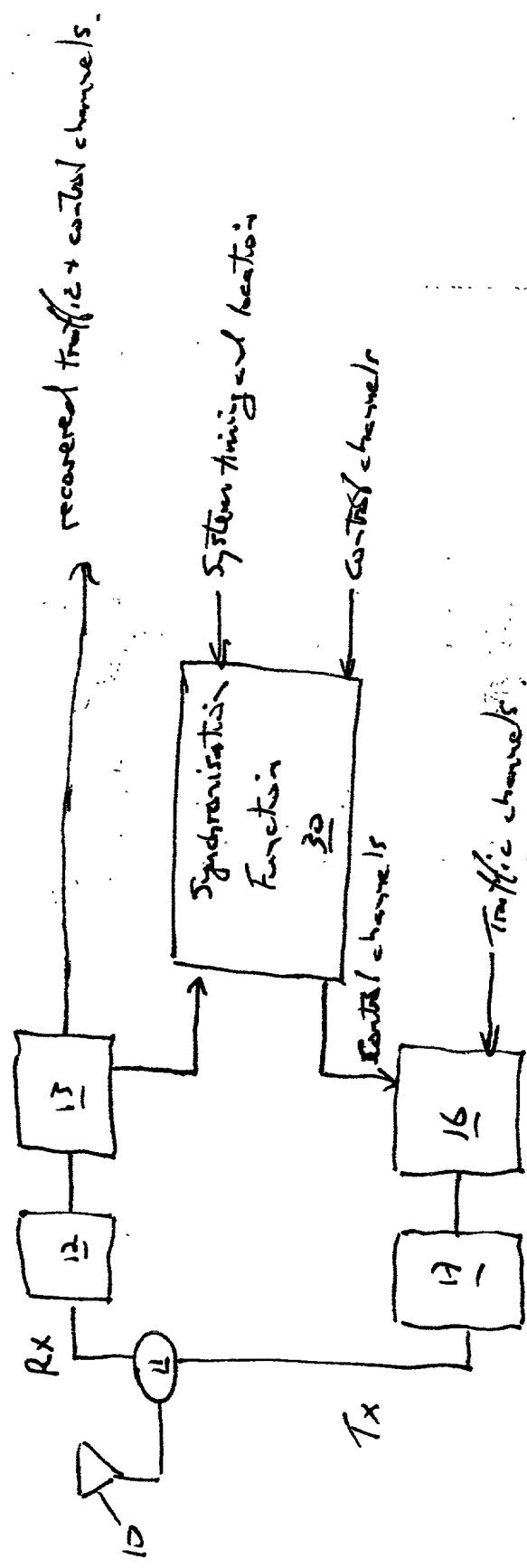


Fig 7

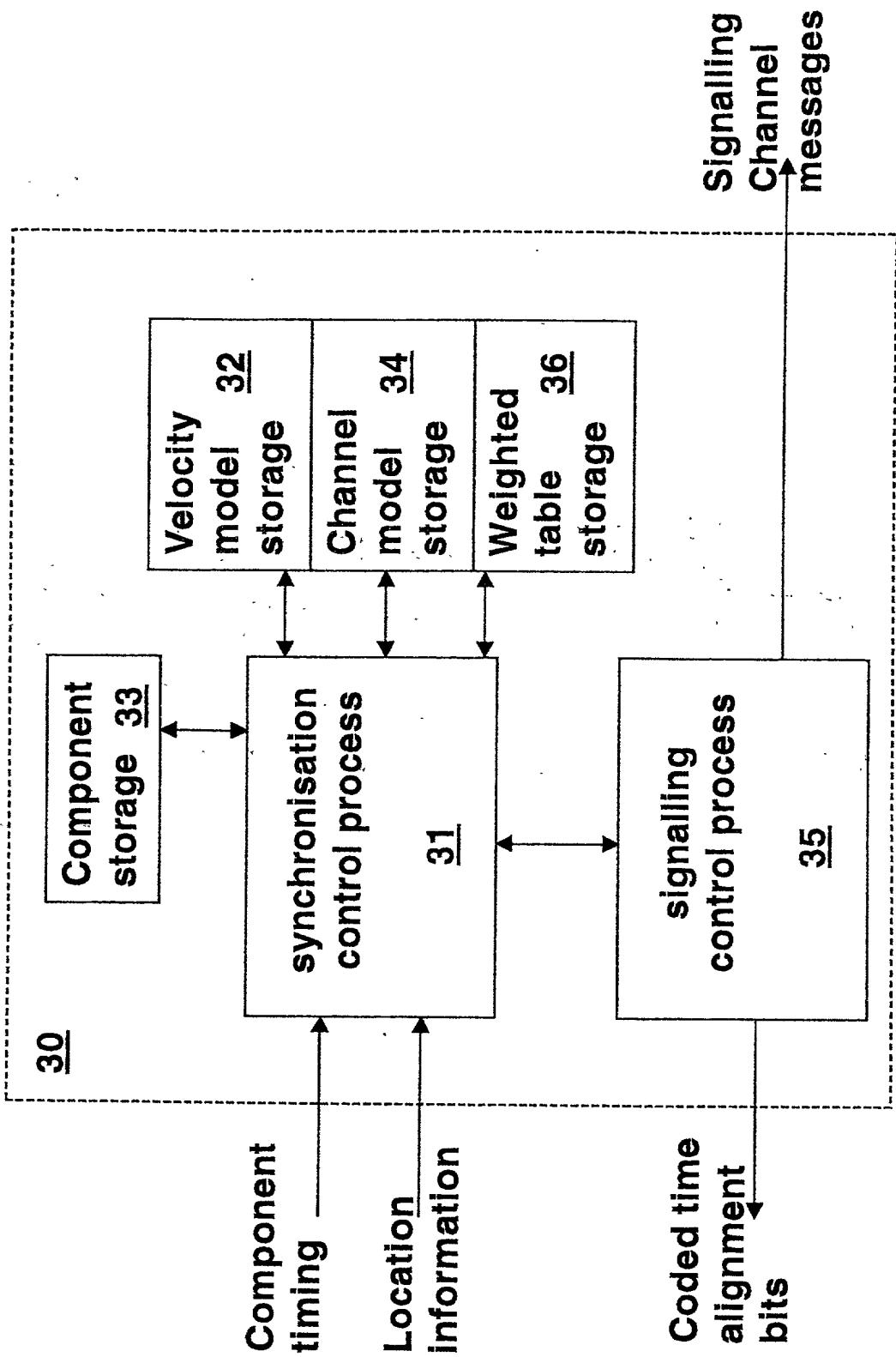
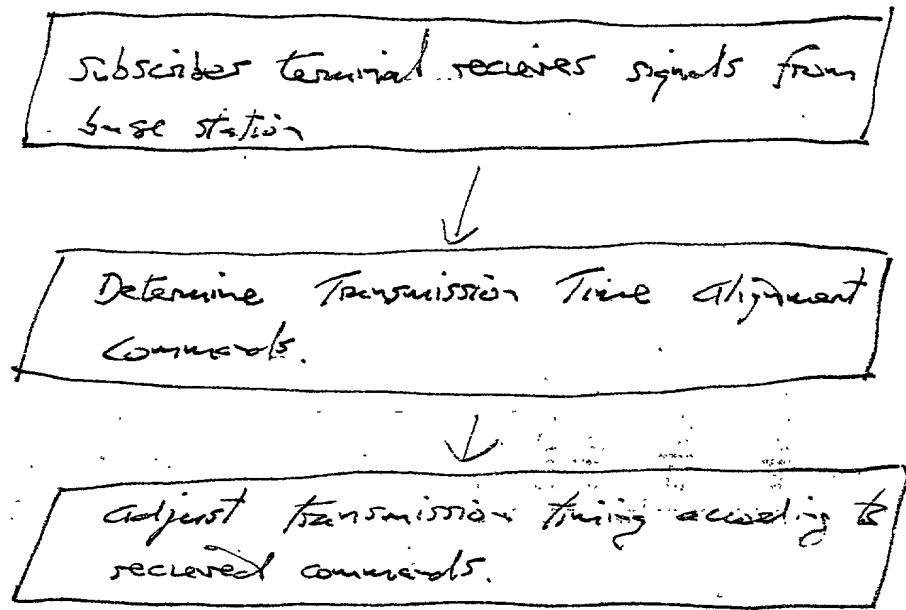


Figure 8

Fig 5.



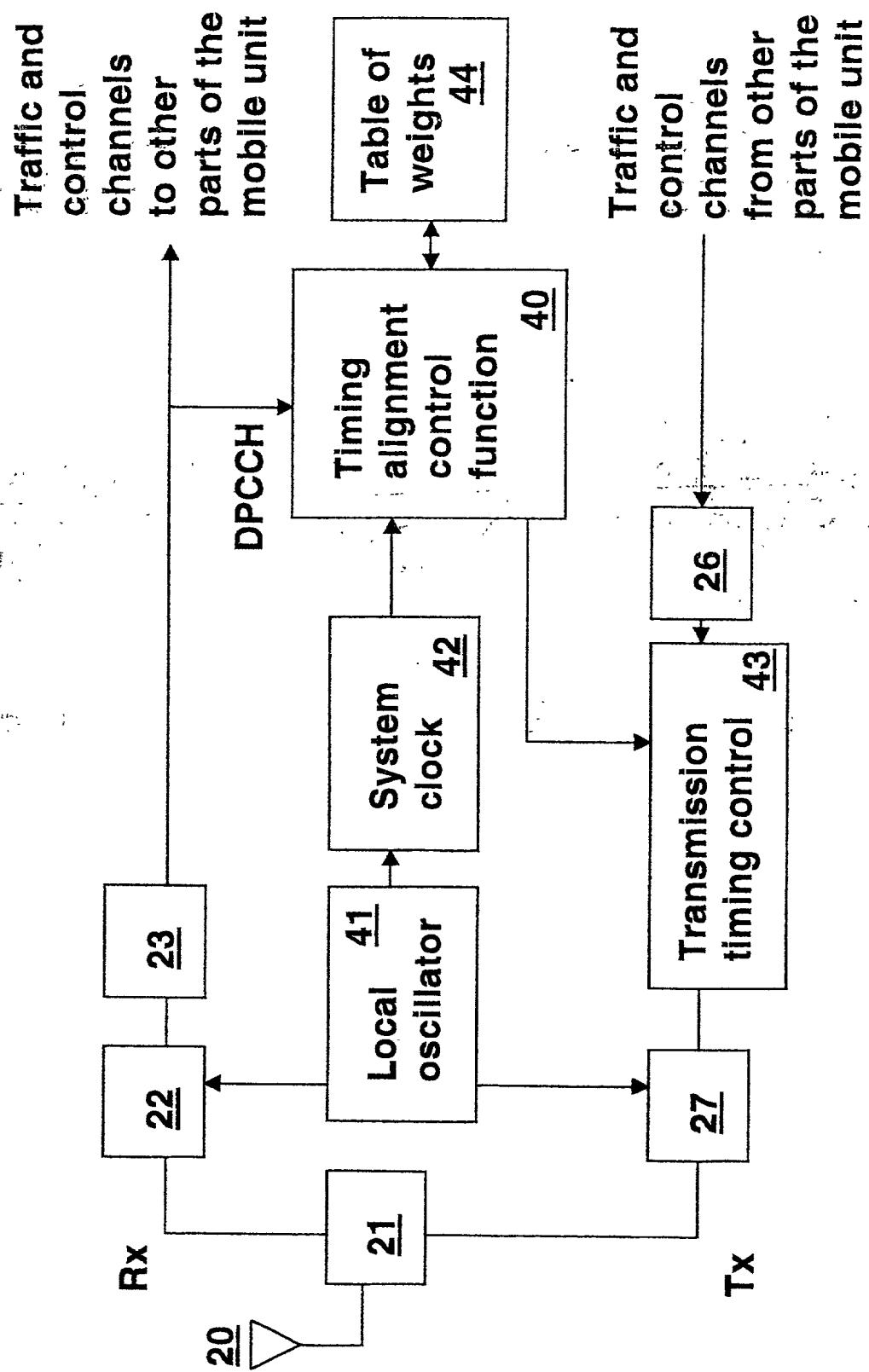


Figure 10

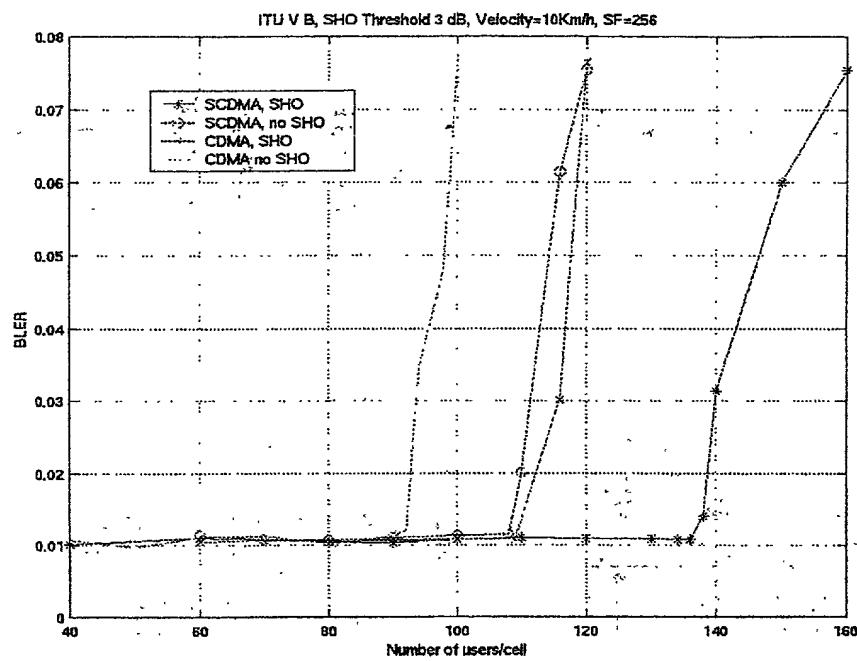


Figure 11a: Channel model: ITU Vehicular Channel B, Velocity 10 Km/h, SHO threshold: 3dB

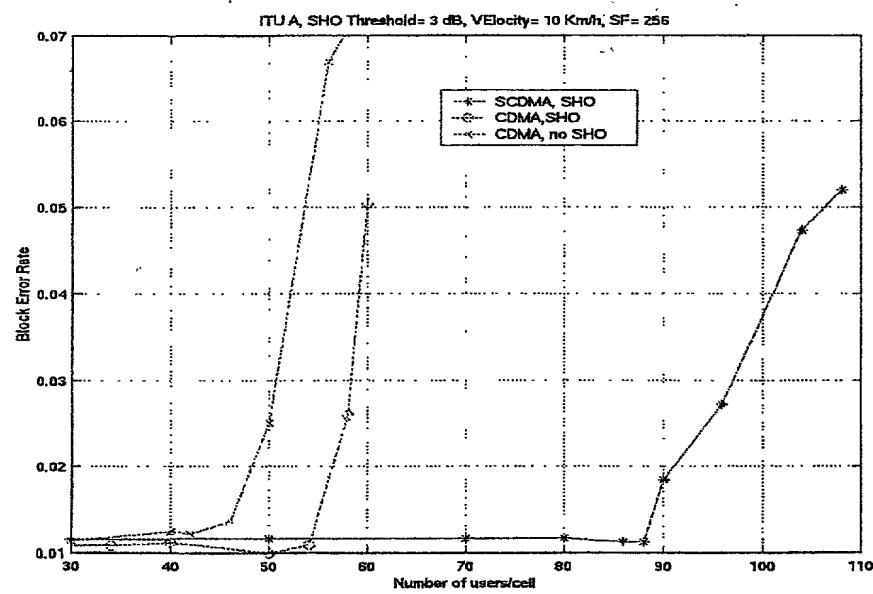


Figure 11b: Channel model: ITU Outdoor-Indoor Ch A, Velocity 10 Km/h